THE TOOL COMPANY

RANDOM ORBIT SANDER

■ STOCK No.63124 ■ PART No.PT125V

• INSTRUCTIONS •

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS TOOL.

GENERAL INFORMATION

This manual has been compiled by Draper Tools and is an integrated part of the power tool equipment, which should be kept with the machine.

This manual describes the purpose for which this tool has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation of the machine, before performing any kind of adjustment to the machine, and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both machine and operator safety, together with longer life of the tool itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the machine.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tool policy of continuous improvement determines the right to make modifications without prior warning.

RANDOM ORBIT SANDER

■ STOCK No.63124 ■ PART No.PT125V

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DECLARATION OF CONFORMITY

We
Draper Tools Ltd. Hursley Road, Chandler's Ford, Eastleigh, Hampshire.
SO53 1YF. England.

Declare under our sole responsibility that the product:

Stock No:- 63124

Part No:- PT125V

Description:- Random Orbital Sander

To which this declaration relates is in conformity with the following directive(s)
98/37/EC & 89/336EEC.

With reference to: EN50144-1:1998, EN50144-2-4:1999, EN55014-1:1993+A1+A2, EN61000-3-2:1995+A1+A2, EN61000-3-3:1995 & EN55014-2:1997.

JOHN DRAPER
Managing Director

07/2000

SPECIFICATION

Whilst every effort has been made to ensure accuracy of information given in this manual is correct at the time of going to print, the Draper Tools policy of continuous improvement determines the right to change specification without notice.

Part No.	PT 125V
Stock No.	63124
Voltage	230V/50Hz
Motor.	480W
Speed (no load)	5,000-12,000rpm
Pad diameter	125mm
Orbit diameter	2.5mm
Noise level pressure	84.0(db)A
Noise level Power	97.0(db)A
Vibration level	5.3m/sec^2
Weight	2.6kg

WEAR A DUST MASK, GOGGLES AND EAR PROTECTION

GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase.

Should the machine develop any fault, please return the complete tool to your distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF England.

Telephone **(023) 8026 6355**.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorized Draper warranty repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you produce a dated receipt or invoice to verify your proof of purchase within the 12 month period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

Note: This tool is intended for domestic use only.

POWER SUPPLY

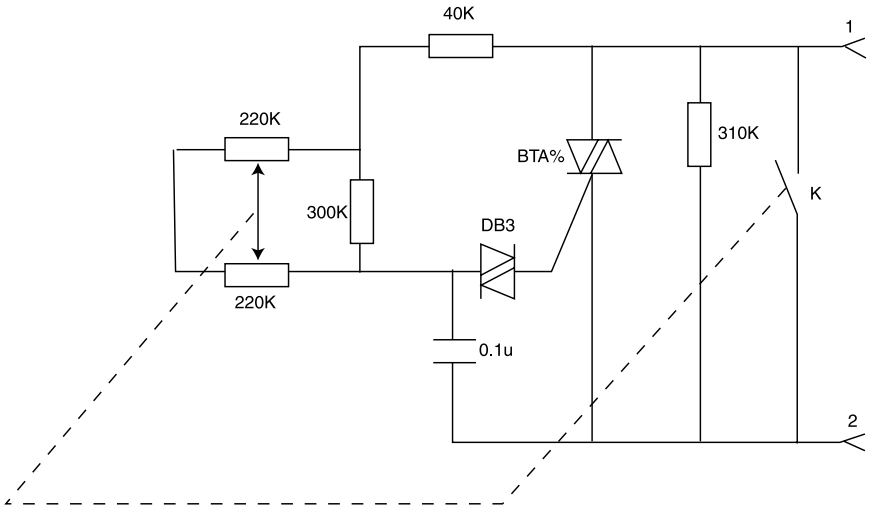
CONNECTING YOUR MACHINE TO THE POWER SUPPLY: (240V)
To eliminate the possibility of an electric shock your machine has been fitted with a BS approved, non rewireable moulded plug and cable which incorporates a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced an ASTA approved BS1362 fuse must be used of the same rating, marked thus ASTA .

The fuse cover is detachable, never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug (i.e. red). Fuse covers are available from your Draper Tools stockist.
If the fitted plug is not suitable, it should be cut off and destroyed. *The end of the cable should now be suitably prepared and the correct type of plug fitted. See below.

***WARNING:**
A plug with bare flexible wires exposed is hazardous if engaged in a live power socket outlet.

WARNING: THIS APPLIANCE IS DOUBLE INSULATED.
Blue – Neutral, Brown – Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black or blue.
The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red or brown.

WIRING DIAGRAM



GENERAL SAFETY INSTRUCTIONS FOR POWER TOOLS

WARNING
Please read the following instructions carefully, failure to do so could lead to serious personal injury.

IMPORTANT
Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

1. **KNOW YOUR POWER TOOL**
   Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.
2. **KEEP WORK AREA CLEAN**
   Cluttered areas and benches invite accidents. Floors must not be slippery due to oil or sawdust.
3. **AVOID DANGEROUS ENVIRONMENTS**
   Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere.
4. **KEEP CHILDREN AWAY**
   All visitors should be kept a safe distance from work area.
5. **STORED TOOLS**
   When not being used, all tools should be stored in a dry, locked cupboard or out of the reach of children.
6. **WEAR PROPER CLOTHING**
   Do not wear loose clothing, neckties or jewellery (rings, wristwatches) to catch in moving parts. NONSLIP footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves above the elbow.
7. **USE SAFETY GOGGLES (Head Protection)**
   Wear CE approved safety goggles at all times. Normal spectacles only have impact resistant lenses, they are NOT safety glasses. Also, use face or dust mask if application is dusty and ear protectors (plugs or muffs) during extended periods of operation.
8. **NOISE LEVELS**
   Some types of machines may have high noise levels when working. In such cases ear protection must be worn.
9. **VIBRATION LEVELS**
   Hand held power tools produce different vibration levels. You should always refer to the specifications and relevant Health and Safety guide.
10. **DUST EXTRACTION**
    If your tool is fitted with a dust extraction fitting, always ensure that it is connected and being used with a dust extractor. Vacuum cleaners can be used if suitable for the material being extracted.
11. **PROTECT YOURSELF FROM ELECTRIC SHOCK**
    When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). If you are using a power tool in extreme conditions (e.g. high humidity or generating metal dust), always use an RCD (residual current device) at the power socket.
12. **STAY ALERT**
    Always watch what you are doing and use common sense. Do not operate a power tool when you are tired or under the influence of alcohol or drugs.
13. **WHEN WORKING OUT OF DOORS**
    Only use extension leads designed for that purpose.
14. **ACCESS TO MAINS SOCKET**
    If a stationary machine is fitted with a moulded plug and cable, the machine should not be positioned so that access to the mains socket is restricted.
15. **DISCONNECT POWER TO THE TOOL**
    When not in use, before servicing and when changing accessories such as cutters, etc.
16. **AVOID ACCIDENTAL STARTING**
    Make sure the switch is in the OFF position before plugging the machine into the power supply.
17. **NEVER LEAVE MACHINE RUNNING UNATTENDED**
    Turn power off. Do not leave machine until it comes to a complete stop.
18. **DO NOT ABUSE THE CORD**
    Never carry the tool by the power cable or pull it from the socket. Keep the power cable away from heat, oil and sharp edges.
19. **NEVER STAND ON TOOL**
    Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted. Do not store materials above or near the tool, so that it is necessary to stand on the tool to reach them.
20. **CHECK DAMAGED PARTS**
    Check for damage to parts, breakage of parts, mountings and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
21. **KEEP GUARDS IN PLACE**
    And in working order.
22. **MAINTAIN TOOLS WITH CARE**
    Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories. All extension cables must be checked at regular intervals and replaced if damaged. Always keep the hand grips on the tool clean, dry and free of oil and grease.
23. **USE RECOMMENDED ACCESSORIES**
    Consult the owners manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.
24. **REMOVE ADJUSTING KEYS AND WRENCHES**
    Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
25. **SECURE WORK**
    Use clamps or a vice to hold work. This frees both hands to operate the tool.
26. **DO NOT OVERREACH**
    Keep proper footing and balance at all times.
27. **USE RIGHT TOOL**
    Do not force the tool or attachment to do a job for which it was not designed.
28. **DO NOT FORCE TOOL**
    It will do the job better and safer at the rate for which it was designed.
29. **DIRECTION OF FEED**
    Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
30. **WHEN DRILLING OR SCREWING INTO WALLS**
    Always make sure there is no danger of hitting any hidden power cables, water or gas pipes in the wall.

IMPORTANT NOTE
Residual Risk. Although the safety instructions and operating manuals for our tools contain extensive instructions on safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution !

GETTING TO KNOW YOUR RANDOM ORBIT SANDER

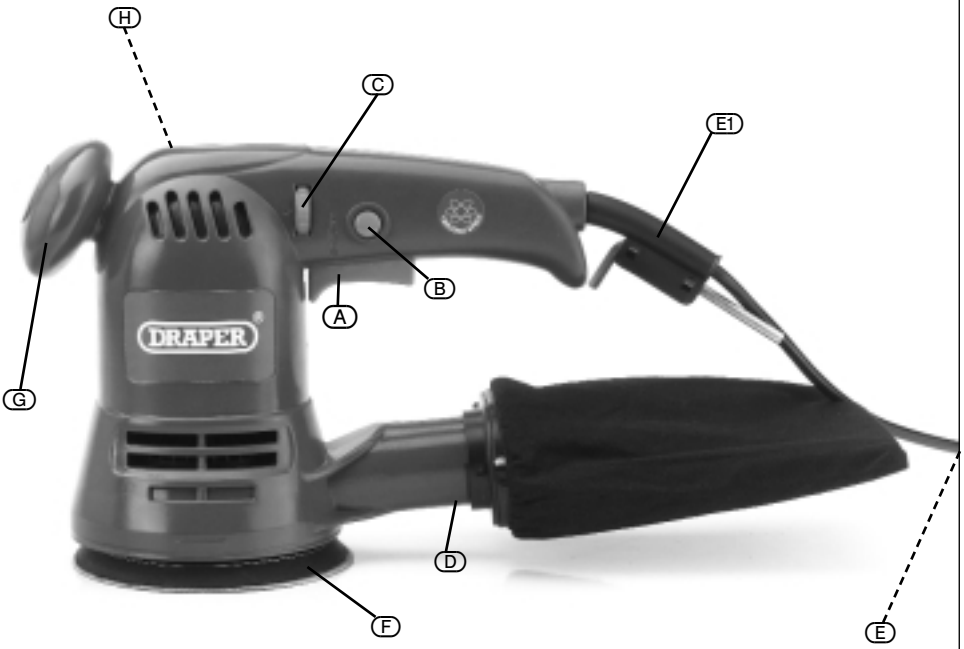


Fig.2.

A. On/Off Trigger.
B. Lock Button.
C. Electronic variable speed control.
D. Dust outlet.
E. BS Moulded Plug and cable.
E1. Cable sheath.
F. Sanding pad.
G. Front handle.
H. Rating plate.

OPERATION & USE

IMPORTANT: Make sure that the mains voltage matches the voltage stated on the machines rating plate.

THE SWITCH WITH HOLDING BUTTON:

The machine is set to operation by pressing the trigger (I) (see Fig.3.). To use continuously squeeze trigger (I). Press button (J) and hold in. Release trigger (I). Release button (J), the machine will continue to run. To stop the machine squeeze trigger (I), button (J) will automatically release.

SPEED REGULATION:

Depending on the application the rotation speed can be varied by turning the knurled button (K) (Fig.3).

NOTE: The rotation speed is dependent upon the pressure applied during working. DO NOT overload the machine.

The Random Orbital Sander can be used for all sanding tasks on wood, paint, metal and plastics.

WARNING: The sander must be switched on before making contact with the surface to be sanded. Do not stop the sander while it is in contact with the surface being sanded.

DUST EXTRACTION:

The PT125V comes with a dust collection bag for use on smaller workpieces. Make sure that the bag is emptied as soon as it is full, as dust removal will slow and become less effective as the bag fills. To remove the dust bag simply squeeze the tabs (L) (Fig.4) together and the bag will become free. To reconnect the dust bag simply push back on until you hear and feel it locate

VACUUM DUST COLLECTION:

For large tasks the PT125V can be connected to a vacuum for fast and efficient dust removal. For example the WDV1100 Draper Vacuum cleaner is ideal and will connect directly to the dust outlet port when the dust bag and frame are removed. (Fig.5.).

IMPORTANT: Disconnect from the power supply before carrying out any adjustments.

SANDING DISCS:

Are simply pressed onto the sanding pad (Fig.6.). The holes in the sanding disc must correspond to the holes in the sanding pad for maximum dust extraction. To replace the sanding disc simply pull it away from the pad (the sanding disc is attached to the pad by a hook and loop fastening system).

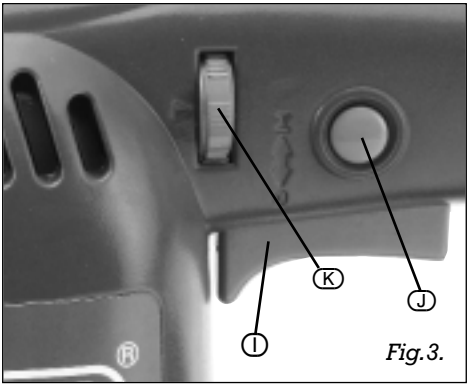


Fig.3.

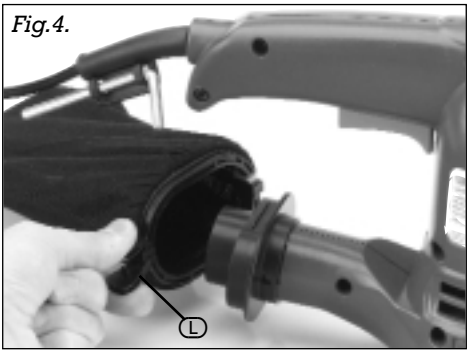


Fig.4.

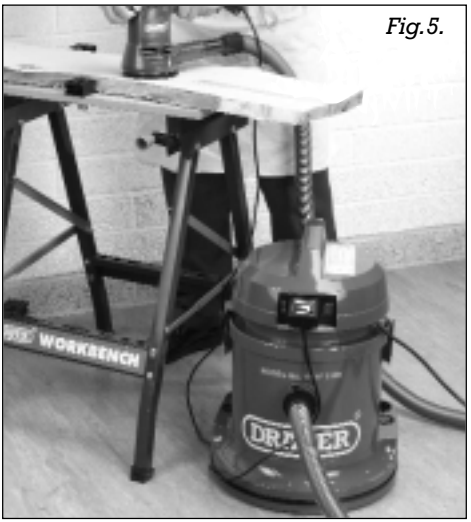


Fig.5.

OPERATION & USE Cont.

SELECTING THE RIGHT SANDING DISC:
Select the correct grade of sanding disc for the material being sanded and finish required (see the table below as a guide).

APPLICATION	GRADE
Sanding damaged bodywork	80-120 grit
Polyester fillers, rough finish	80-120 grit
Sanding off old paint	40-80 grit
Surface sanding on paint	120 grit
Rough sanding fibreglass/Reinforced plastics	40-80 grit
Sanding Natural finish woods	120grit

NOTE:
Replace a damaged sanding pad immediately. Never start the tool with the sanding pad loose or unattached.

SANDING TIPS:
To achieve the best sanding results move the sander in large orbits across the workpiece. To avoid deep sanding do not tilt the sander (Fig.7.).

ROUGH FINISH:
Applying only light pressure to the sander will allow more surface removal for the workpiece.

FINE FINISH:
When more pressure is applied to the sander, the sanding plate will rotate slower, but the random orbit motion will remain the same. The finish will be similar to an orbital sander.

NOTE:
The sander must be used for dry work only.

Fig.6.

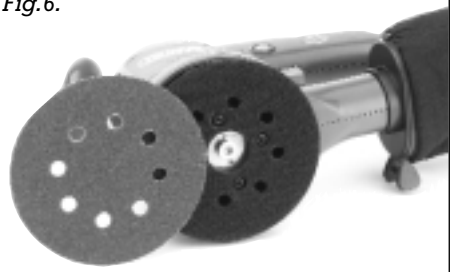
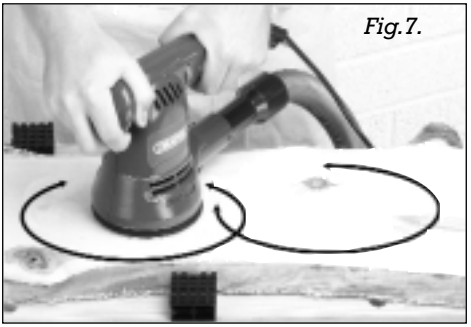


Fig.7.



OPERATION & USE Cont.

REMOVING THE SANDING PAD

To remove the sanding pad for cleaning or replacement, remove the plug from the power supply. Loosen and remove the four cross slot screws (M) (Fig.8.) from the sanding pad. To remove the sanding plate assembly, use the hexagon key (N) to remove bolt (P) (Fig.9). To replace, simply reverse the removal instructions.

WARNING

DO NOT restart the machine with any loose parts

IMPROPER USE:

The functions and use of this tool are those exclusively indicated in this manual.

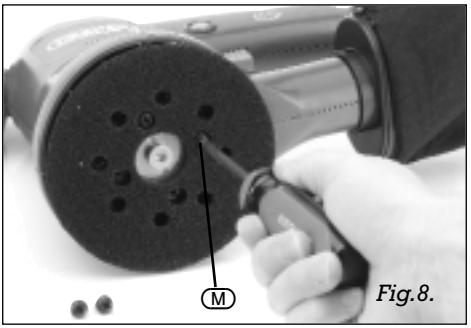
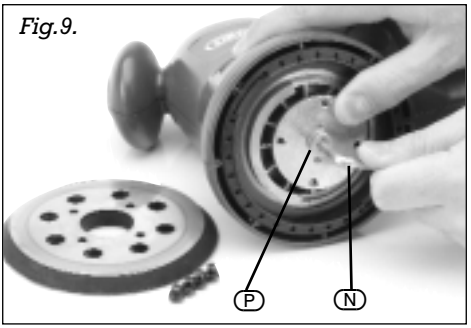


Fig.8.

Fig.9.



MAINTENANCE AND PART REPLACEMENT

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool in good working condition. The tool bearings are life long lubricated. The motor must be correctly ventilated during tool operation. For this reason avoid blocking the air inlets with hands. After use disconnect the tool from the power supply and clean carefully, use compressed air through the ventilation slots.

DISPOSAL

At the end of the machines working life, or when it can no-longer be repaired, ensure that it is disposed of according to the standard regulations of the country in which it is being used and that the disposal operation is carried out by specialized personnel following authorized guidelines.

In all circumstances:

- Do not abandon in the environment;
- Do not dispose of together with solid urban waste products;
- Contact the special recycling centres

WARNING

Disconnect the plug from the power supply socket before replacing any parts.

IMPORTANT: All operations should only be performed by an authorized person.

OPTIONAL ACCESSORIES

Hole Punched Sanding Discs:

PART No.	STOCK No.	SIZE	GRIT	PACKED
SD5V	63367	125mm	60	5 Sheets
SD5V	63368	125mm	80	5 Sheets
SD5V	63369	125mm	100	5 Sheets
SD5V	63370	125mm	120	5 Sheets
SD5V	63371	125mm	180	5 Sheets
SD5V	63372	125mm	Assortment	5 Sheets
ADDITIONAL ACCESSORIES				
SS5V	63469	125mm	Polishing Sponge	One
SB5V	63470	125mm	Polishing Bonnet	One

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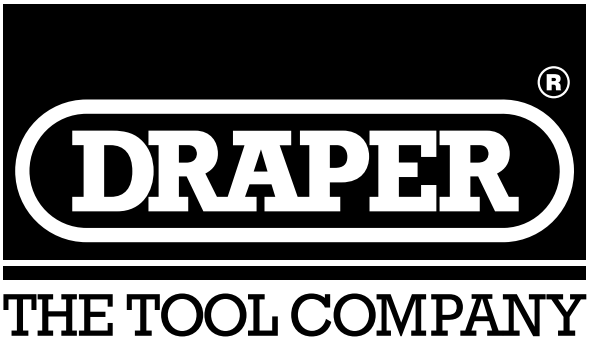
NOTES



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YOUR DRAPER STOCKIST

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